

world space congress • 2002

Houston to Host WSC • 2002

The space event of the decade, World Space Congress•2002 comes to Houston Oct. 11-19. Johnson Space Center will play a prominent role in the event as a Supporting Sponsor, but it will take your participation to make the NASA experience come alive!

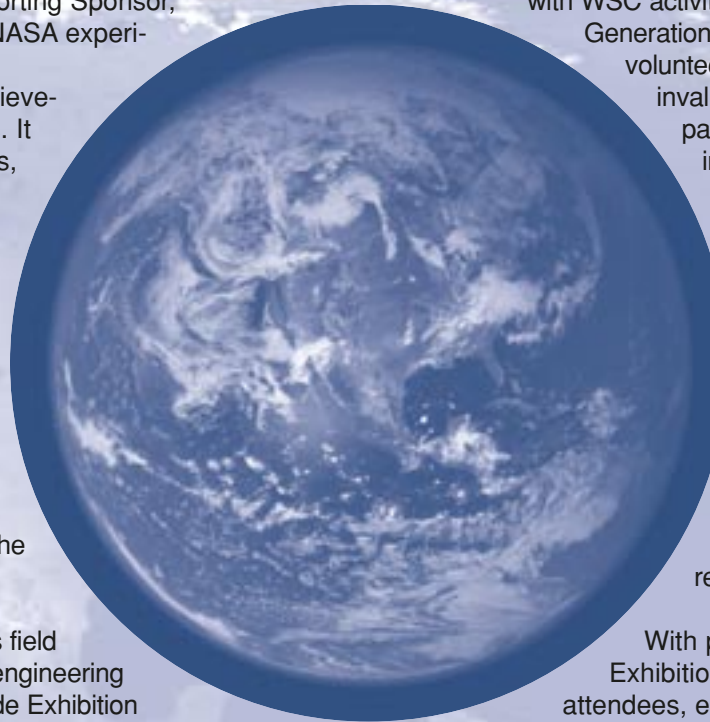
WSC•2002 allows JSC to present our achievements and learn more about others' advances. It is a gathering of more than 13,000 participants, where leaders in space science, engineering, industry and policy discuss the present state of space travel, showcase new research and technology and define a vision for the future.

The WSC•2002 is organized around four themes: International Space Station Utilization, Commercial Space Application, Life Sciences and Biomedicine, and preparing a vision for the next 25 years in space.

Its core events will be the assembly of the Committee on Space Research (COSPAR), the International Aeronautical Congress (IAC) and the International Trade Exhibition.

The COSPAR and IAC will host technical sessions, featuring more than 4,000 world-class field experts who will present cutting-edge science, engineering and technology research. The International Trade Exhibition fills more than 350,000 square feet, including exhibits by the international space agencies and commercial space providers. More than 100 JSC employees will speak, and JSC is supporting 3,800 square feet of exhibit space.

"World Space Congress is an excellent opportunity for us to share our space excitement and space achievements," said JSC Director Lt. Gen. Jefferson Howell, Jr., "as we continue our mission to understand and protect our home planet, to explore the Universe and search for life, and to inspire the next generation of explorers...as only NASA can."



Employee Involvement

There are numerous ways for the JSC community to get involved in WSC•2002.. "We anticipate needing approximately 200 volunteers to help with WSC activities," said Julia Tizard, Director of Space Generation's Houston office and lead coordinator of WSC volunteer opportunities. "Employees of JSC will make invaluable volunteers, as they can use their personal passion for science to spark the public's interest in space."

The Space Rocks! Kids Festival and Discover NASA Day, held on Oct. 18 and 19 respectively, will call for JSC volunteers to lead hands-on activities and experiments, lead education trailer tours and supervise youth engineering competitions. On Oct. 12 and 17, volunteers can help at teacher workshops designed to provide teachers with science and math activities for the classroom. The JSC exhibit at George R. Brown Convention Center and the increased frequency of on-site tours will also require JSC volunteers.

With proper approval, employees may visit the Exhibition Hall without charge. Or, as paid, registered attendees, employees may attend the technical and plenary sessions. Many NASA employees and contractor representatives will be profiled during the event as field experts making presentations throughout the week. The final days of the Congress, Friday and Saturday, Oct.18-19, are open to the public.

For more information:

<http://www.jsc.nasa.gov/wsc>

Volunteer opportunities on site and at the JSC exhibit at George R. Brown

<http://unsgoc.org/sgs/volunteer/>
Volunteer opportunities

Your Guide to the WSC • 2002

Attending

With supervisor approval and your JSC badge, the Exhibition Hall is free of charge to industry professionals throughout the week. Note: Free admittance to the WSC•2002 Exhibition Hall does not include admittance to the technical sessions or plenary events. See the JSC Web site for complete details.

Volunteering

Whether it's for a one-hour shift or a full day, working with kids at the education booths or assisting with a technical briefing, hundreds of volunteer opportunities exist for WSC•2002. Visit the JSC WSC Web site for complete details and a link to a complete volunteer list.

Getting There

As parking at the George R. Brown Convention Center will be extremely limited, JSC employees (volunteers and presenters) are advised to use JSC-provided transportation to the site. Visit the JSC WSC Web site for details and schedules as they become available.

For Kids

World Space Congress•2002 has a multitude of activities and events designed for students, children and families.

SPACE ROCKS! Kids Festival will be held on the main campus at the University of Houston Oct. 18.

Discover NASA Day: Astronauts, International Space Station and Beyond This event, at the George R. Brown Convention Center on Saturday, Oct. 19, is also free and open to the public, and will feature the best of JSC just for kids.

World Space Congress • 2002 Schedule

| | |
|--------------------------------------------------|--|
| Space Ops 2002 Oct. 9-12 | |
| ISS Utilization Oct. 10-11 | |
| Technical and Plenary Sessions Oct. 10-19 | |
| The Space Generation Summit Oct. 11-19 | |
| Space Policy Summit Oct. 11-13 | |
| The International Trade Exhibition Oct. 14-19 | |
| Space Rocks! Oct. 18 | |
| Discover NASA Day Oct. 19 | |

MORE INFORMATION

www.jsc.nasa.gov/wsc

www.aiaa.org/wsc2002

Explore... The Exhibit

More than 15,000 square feet of NASA exhibits will give the Agency a sizeable presence at the World Space Congress•2002.

"In our exhibits, we are portraying the efforts of all major Centers and highlighting the best technology of today and the best developing technology of the future," said Jim Hull, NASA Exhibit Director.

JSC is participating in NASA's Human Exploration and Development of Space (HEDS) exhibit, where WSC•2002 attendees can catch a glimpse of what life in space is like and how future space exploration might evolve. They will meet Robonaut, the moving humanoid robot developed by engineers at JSC, one of the exhibit's many interactive demonstrations.

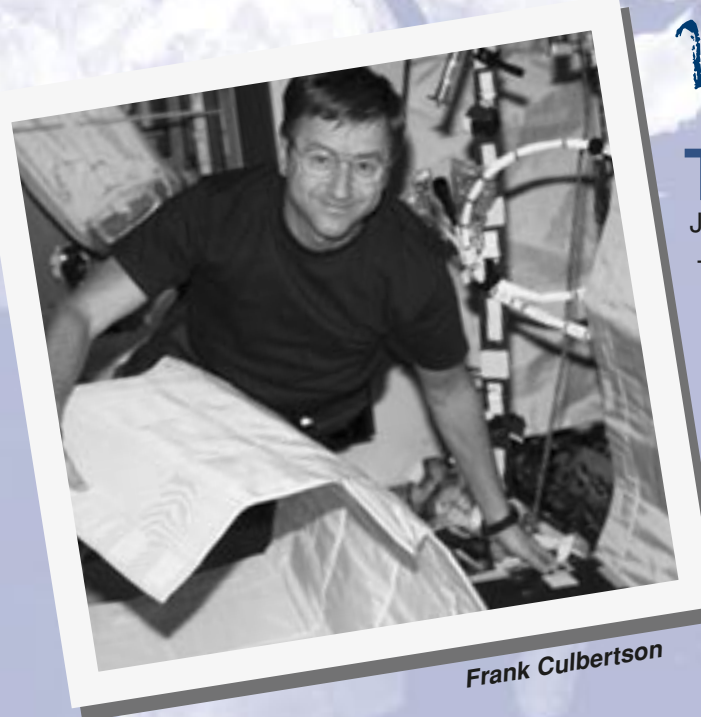
The exhibit will also emphasize current space and life science research through hands-on displays and highlight advanced propulsion technology through a model of the developing Variable Specific Impulse Magnetoplasma Rocket (VASIMR) engine. Peripheral exhibits will highlight NASA's educational programs and display the commercial avenues for space technology.

JSC, through the HEDS exhibit, is targeting the space community and the public, allowing them to explore the current technology, the possibilities for the future and the benefits for Earth. The exhibit will reach everyone from members of the general public to heads of state, foreign diplomats and perhaps even President Bush.

The exhibit is open to industry professionals from Oct. 14-19 and to the public on Oct. 18-19.



Robonaut



Frank Culbertson

Understand... Plenary and Technical sessions

The International Space Station – A Key to the Future: Advancing Science and Technology through International Teamwork in Space will be one of the featured World Space Congress Joint Plenary sessions on Oct. 14, 2002.

To reveal the experiences of building and operating the premiere human outpost in space, program managers from the United States (NASA and Boeing), Canada, Europe, Japan and Russia, joined by representatives from the Astronaut and Cosmonauts corps and a leading NASA science representative, will share their stories about accomplishments, opportunities and challenges associated with creating this "new star on the horizon."

"The International Space Station is the pathway for human exploration, research and development of space for decades to come," said Bill Gerstenmaier, ISS Program Manager, NASA. "This monumental effort to construct an international laboratory complex is a model for cooperation among nations. This research facility in space will enable new, unimaginable discoveries."

More than 100 technical sessions, supported by either COSPAR or IAC, are designed to spark critical dialogue among the providers, users and integrators of space systems, as well as to showcase the current and future space technologies and their applications.

Inspire... Education and Outreach

You can't have a week of space activities without involving kids, who are some of the space program's most avid fans. Education outreach programs like the Space Rocks! Kids' Festival, engineering design competitions and the Distance Learning Outpost are fun-filled, interactive ways to educate and interest kids in science, engineering and math.

The Space Rocks! Kid Festival, held on Oct. 18 at the University of Houston (U of H), will provide JSC an opportunity to educate kids and their parents about space research. Participants can tour the Benefits of Space and the Space Station Imagination trailers, as well as perform physics demonstrations, rocket launches and other hands-on activities. U of H will also host an international Robotics Invitational and a Mars Rover Competition for students.

At the George R. Brown, the Distance Learning Outpost will broadcast nine video Web conferences during the WSC•2002. Four of the Web conferences will feature the Space Kids Update, a space news program that educates students about interesting, current happenings in space – topics spanning from experiments on ISS missions to advances in the aeronautical industry.

The WSC•2002 Web conferences will be accessible at <http://spaceflight.nasa.gov>. Teacher workshops that coincide with the WSC•2002 are also planned to develop fun, interactive activities that help teachers to communicate space science.



Kids ♥ NASA!